

High Pressure Coupling with End Shield Gasket Fig. 65HPES



Figure 65HP-ES couplings with End Shield gaskets are designed for use in high pressure piping systems with working pressure ratings up to 2,500 psi.*

Working Pressure and End Load values are based on “End Shield” cut or roll grooved extra heavy steel pipe.

* Refer to cut sheet for details.

- Maximum working pressure up to 2500 psi depending on coupling size and schedule of pipe
- All housings, gaskets and bolts identified by SCI logo
- 100% magnetic particle inspection of each bolt
- Each bolt has a Minimum tensile strength of 110,000 psi
- Gasket Grade T - Nitrile (orange stripe) -20°F (-29°C) to +180°F (+82°C)
- Ductile iron housings conform to ASTM A-536 Grade 65-45-12
- May only be used with pipe grooves that match ES Groove specifications.
- Finish: Black Enamel Paint
- ASC Engineered Solutions™ Warranty only applies to assemblies made with housings, gaskets and bolts carrying the SCI logo
- Extra Heavy “ES” End Shield fittings are available (fabricated steel); Schedule 80, cut grooved
- Contact ASC Engineered Solutions™ for fitting types and sizes.

Material Specifications

Housing

Ductile Iron Housings conform to ASTM A-536, Grade 65-45-12

Coating

Black Paint (rust inhibiting) – Standard Coating

Coupling Gasket Style

“End Shield” Style – T-Nitrile

Coupling Gasket Material

Grade T-Nitrile (Orange Stripe)
-20°F (-29°C) to +180°F (+82°C) Service Temperature Range
For use with petroleum applications, vegetable & mineral oils, and air with oil vapors.
NOT FOR USE IN HOT WATER, STEAM, OR NATURAL GAS APPLICATIONS.

Nuts and Bolts

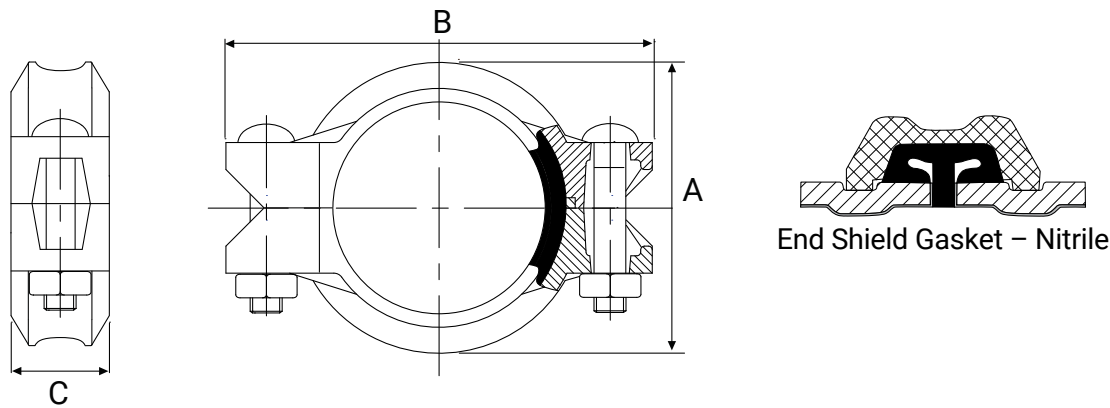
Zinc electroplated, heat treated, oval neck track head bolts conforming to ASTM-183 Grade 2 with a minimum tensile strength of 110,000 psi; Heavy hex nuts made of carbon steel conforming to ASTM A-563 Grade A or Grade B, or J995 Grade 2.

SCI track bolts are 100% magnetic particle inspected. The SCI logo appears on all COOPLOK™ track bolts.



PROJECT INFORMATION	APPROVAL STAMP
Project:	Approved
Address:	Approved as noted
Contractor:	Not approved
Engineer:	Remarks:
Submittal Date:	
Notes 1:	
Notes 2:	

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Pipe Size in/mm	Part Number Painted	Pipe OD in/mm	Max Pipe End Gap in/mm	Dimensions			Max Working Pressure* psi/kPa	Max End Load* lb/kg	Case Qty	Weight lb/kg
				A in/mm	B in/mm	C in/mm				
2 50	65HPES3020	2.375 60.3	3/16 4.8	3.50 89.0	5.63 143.0	1.89 48.0	2,500 17,250	7,350 3,340	15	3.3 1.5
3 80	65HPES3030	3.500 88.9	3/16 4.8	4.69 119.0	7.01 178.0	1.89 48.0	2,500 17,250	16,500 7,500	12	4.3 1.9
4 100	65HPES3040	4.500 114.3	3/16 4.8	5.94 151.0	8.70 221.0	2.13 54.0	2,500 17,250	28,700 13,000	6	7.9 3.6
6 150	65HPES3060	6.625 168.3	1/4 6.7	8.31 211.0	11.34 288.0	2.28 58.0	2,000 13,800	63,100 28,600	—	14.8 6.7

* Maximum working pressure and maximum end load are determined from all internal and external loads, based on standard weight steel pipe, grooved per ASC Engineered Solutions™ End Shield (ES) Cut Groove Specifications.

NOTE: 65HP-ES couplings are not designed for, and cannot be used with, COOPLOK™ Grooved fittings or 67 Series Grooved Butterfly Valves. Refer to End Shield (ES) Cut Groove Specifications.



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